

## Product datasheet for RC202543L3V

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## PIN1 (NM\_006221) Human Tagged ORF Clone Lentiviral Particle

## **Product data:**

**Product Type:** Lentiviral Particles

**Product Name:** PIN1 (NM\_006221) Human Tagged ORF Clone Lentiviral Particle

Symbol:

DOD; UBL5 Synonyms:

**Mammalian Cell** 

Selection:

ACCN:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK NM 006221

**ORF Size:** 489 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC202543).

Sequence:

The molecular sequence of this clone aligns with the gene accession number as a point of OTI Disclaimer: reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

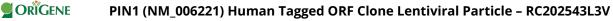
RefSeq: NM 006221.2

RefSeq Size: 1138 bp RefSeq ORF: 492 bp Locus ID: 5300 **UniProt ID:** Q13526 Cytogenetics: 19p13.2

**Domains:** Rotamase, WW

**Protein Families:** Druggable Genome





**Protein Pathways:** RIG-I-like receptor signaling pathway

MW: 18.2 kDa

Gene Summary: Peptidyl-prolyl cis/trans isomerases (PPlases) catalyze the cis/trans isomerization of peptidyl-

prolyl peptide bonds. This gene encodes one of the PPlases, which specifically binds to phosphorylated ser/thr-pro motifs to catalytically regulate the post-phosphorylation conformation of its substrates. The conformational regulation catalyzed by this PPlase has a profound impact on key proteins involved in the regulation of cell growth, genotoxic and other stress responses, the immune response, induction and maintenance of pluripotency, germ cell development, neuronal differentiation, and survival. This enzyme also plays a key role in the pathogenesis of Alzheimer's disease and many cancers. Multiple alternatively

spliced transcript variants have been found for this gene.[provided by RefSeq, Jun 2011]